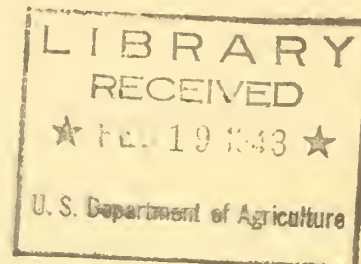


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UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Administration
Bureau of Agricultural Chemistry and Engineering



1942 SEMI-ANNUAL

NAVAL STORES REPORT

on

Production, Distribution, Consumption and Stocks

of

TURPENTINE AND ROSIN

of the

UNITED STATES

By Crop Years

April 1, 1942 - Sept. 30, 1942

Issued November 23, 1942

Compiled by

C. F. Spoh

and

M. C. Lawrence

Naval Stores Research Division

FOREWORD

This is the seventh semi-annual naval stores report on production, consumption and stocks of naval stores. Annual Reports, covering the entire naval stores season - April 1 - March 31 - are also issued. These reports are issued under Public No. 278, authorizing and directing the Secretary of Agriculture to collect, compile and publish statistics and essential information relating to spirits of turpentine and rosin produced, held and used in the domestic and foreign commerce of the United States.

In studying the data given in this, as well as in previous reports, it should be borne in mind that the Bureau of Agricultural Chemistry and Engineering merely assembles the figures from the individual reports received.

If the production figures for the half-year are used as a basis for estimating this season's probable total production, the fact that gum naval stores production is seasonal should be borne in mind. Normally, approximately 72 per cent of the total annual gum crop is produced from the beginning of April to the end of September. This year, unusual weather conditions and difficulty in obtaining labor apparently have affected this percentage for gum naval stores production. Wood naval stores production, on the other hand, is not seasonal but is based largely upon probable consumer demand and to some degree upon labor.

As in previous reports, carryover (stocks) of turpentine and rosin is separated into gum and wood products. Stocks of wood rosin do not include so-called "B wood rosin." While sulphate wood turpentine is carried in the regular production and carryover tables, data on "liquid rosin" or "tall oil" are in a table separate from gum and wood rosins. The term "sulphate wood rosin" or "tall oil" refers to the resin acids constituting approximately 42 per cent of "liquid rosin."

Statistics on foreign production, imports and exports have been omitted from this issue.

These reports are designed to be of use to the industry---producer, factor, distributor and consumer. Every effort is made to obtain complete and accurate information but the responsibility for completeness, accuracy and promptness of issue depends upon the cooperation of those reporting. The date of issue reflects the promptness of receipt of reports. It is our hope that these reports can be issued within 30 days after the end of the six-month period to which they apply.

The Bureau of Agricultural Chemistry and Engineering extends its thanks to those producers, factors, distributors and consumers who have so kindly cooperated in furnishing the requested information.

SUMMARY OF TURPENTINE

SUPPLY, DISTRIBUTION AND CARRYOVER (Bbls. 50 gals.)

(By naval stores seasons, beginning Apr. 1 and ending Mar. 31)

<u>1942-43</u>			<u>1941-42</u>		
<u>6 mos. (Apr. - Sept.)</u>			<u>6 mos. (Apr. - Sept.)</u>		
<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>

TABLE 1a - SUPPLY AND DISTRIBUTION

U.S. Carryover						
April 1 ^{1/}	156,369	86,448	69,921	209,910	146,735	63,175
Production ^{2/}	339,436	211,255	128,181	307,173	194,915	112,258
Imports ^{3/}	-- not available	--	--	7,571	7,571	---
Available Supply	495,805	297,703	198,102	524,654	349,221	175,433
Less Carryover						
Sept. 30 ^{4/}	202,282	131,869	70,413	170,027	124,994	45,033
Appar. Total						
Consumption ^{5/}	293,523	165,834	127,689	354,627	224,227	130,400
Less Exports ^{2/}	-- not available	--	--	47,319	30,179	17,140
Appar. U.S.						
Consumption	-- not available	--	--	307,308	194,048	113,260

TABLE 2a - CARRYOVER (Stocks)

U.S. Carryover						
April 1	156,369	86,448	69,921	209,910	146,735	63,175
U.S. Carryover						
Sept. 30	202,282	131,869	70,413	170,027	124,994	45,033
Increase	45,913	45,421	492	---	---	---
Decrease	---	---	---	39,883	21,741	18,142

^{1/} Table 1a. 1941-42 Annual Naval Stores Report.

^{2/} Table 5a.

^{3/} Not available.

^{4/} Table 4a.

^{5/} Not available.

SUMMARY OF ROSIN

SUPPLY, DISTRIBUTION AND CARRYOVER (Bbls. 500 lbs. gross)
(By naval stores seasons, beginning Apr. 1 and ending Mar. 31)

<u>1942-43</u>			<u>1941-42</u>		
<u>6 mos. (Apr. - Sept.)</u>			<u>6 mos. (Apr. - Sept.)</u>		
<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>

TABLE 1b - SUPPLY AND DISTRIBUTION

U.S. Carryover						
April 1 ^{1/}	1,434,677	1,230,817	203,860	1,874,160	1,653,235	220,925
Production ^{2/}	1,243,151 ^{4/}	697,736 ^{4/}	545,415	1,223,802 ^{4/}	662,417 ^{4/}	561,385
Imports ^{3/}	-- not available --			1,426	1,426	0
Available Supply	2,677,828	1,928,553	749,275	3,099,388	2,317,078	782,310
Less Carryover						
Sept. 30	<u>1,341,632</u>	<u>1,053,526</u>	<u>288,106</u>	<u>1,784,828</u>	<u>1,623,693</u>	<u>161,135</u>
Appar. Total						
Consumption	1,336,196	875,027	461,169	1,314,560	693,385	621,175
Less Exports ^{5/}	-- not available --			<u>260,380</u>	<u>139,265</u>	<u>121,115</u>
Appar. U.S.						
Consumption	-- not available --			1,054,180	554,120	500,060

TABLE 2b - CARRYOVER (Stocks)

U.S. Carryover						
April 1	1,434,677	1,230,817	203,860	1,874,160	1,653,235	220,925
U.S. Carryover						
Sept. 30	<u>1,341,632</u>	<u>1,053,526</u>	<u>288,106</u>	<u>1,784,828</u>	<u>1,623,693</u>	<u>161,135</u>
Increase	---	---	84,246	---	---	---
Decrease	93,045	177,291	---	89,332	29,542	59,790

^{1/} Table 1b. 1941-42 Annual Naval Stores Report.

^{2/} Table 5b.

^{3/} Not available.

^{4/} Includes reclaimed gum rosin.

^{5/} Not available.

DETAILS AND SUMMARY OF TURPENTINE CARRYOVER (Bbls. 50 gals.)
(At close of Sept. 30)

	<u>1942</u> Sept. 30			<u>1941</u> Sept. 30		
	<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>
<u>TABLE 3a - DETAILS OF TURPENTINE CARRYOVER (Stocks)</u>						
<u>Production Points</u>						
Gum Stills ^{1/}	20,315	20,315	---	14,363	14,363	---
Wood Plants ^{1/}						
Steam Dist. ^{2/}	32,184	---	32,184	11,640	---	11,640
Sulphate	11,451	---	11,451	3,231	---	3,231
Dest. Dist.	474	---	474	48	---	48
Total	<u>64,424</u>	<u>20,315</u>	<u>44,109</u>	<u>29,282</u>	<u>14,363</u>	<u>14,919</u>
<u>Sou. Concent. Points</u>						
Ports ^{3/}	56,788	56,788	---	40,902	40,902	---
Interior Yards	<u>25,360</u>	<u>25,360</u>	---	<u>30,587</u>	<u>30,587</u>	---
Total	82,148	82,148	---	71,489	71,489	---
<u>Distrib. Points</u>						
Eastern	18,463	6,782	11,681	17,916	8,859	9,057
Central	11,941	11,040	901	23,542	14,417	9,125
Western	8,040	5,152	2,888	6,821	4,420	2,401
Total ^{4/}	<u>38,444</u>	<u>22,974</u>	<u>15,470</u>	<u>48,279</u>	<u>27,696</u>	<u>20,583</u>
Industrial Plants ^{5/}	17,266	6,432	10,834	20,977	11,446	9,531

TABLE 4a - SUMMARY OF TURPENTINE CARRYOVER (Stocks)

Production Points	64,424	20,315	44,109	29,282	14,363	14,919
Sou. Concent. Points	82,148	82,148	---	71,489	71,489	---
Distrib. Points	38,444	22,974	15,470	48,279	27,696	20,583
Industrial Plants	17,266	6,432	10,834	20,977	11,446	9,531
Total in U. S.	<u>202,282</u>	<u>131,869</u>	<u>70,413</u>	<u>170,027</u>	<u>124,994</u>	<u>45,033</u>

- ^{1/} Compiled from reports by producers and factors. The difference in stocks at stills is not due entirely to increased stocks but rather to the inclusion of reports from producers who were in business but did not report last year.
- ^{2/} Does not include by-products resulting from making paler grades from FF wood rosin
- ^{3/} Official Board of Trade and Chamber of Commerce Reports.
- ^{4/} Compiled from reports of individual distributors.
- ^{5/} Compiled from reports of individual consumers.

DETAILS AND SUMMARY OF ROSIN CARRYOVER (Bbls. 500 lbs. gross)
(At close of Sept. 30)

1942
Sept. 30

1941
Sept. 30

Total

Gum

Wood

Total

Gum

Wood

TABLE 3b - DETAILS OF ROSIN CARRYOVER (Stocks)

Production Points

Gum Stills ^{1/}	129,113	129,113	---	87,330	87,330	---
Wood Plants ^{1/}						
Steam Dist. ^{2/}	166,172	---	166,172	43,591	---	43,591
Sulphate	---	---	---	---	---	---
Dest. Dist.	---	---	---	---	---	---
Total	<u>295,285</u>	<u>129,113</u>	<u>166,172</u>	<u>130,921</u>	<u>87,330</u>	<u>43,591</u>

Sou. Concent. Points

Ports ^{3/}	383,361	383,361	---	636,136	636,136	---
Interior Yards	<u>277,289</u>	<u>277,289</u>	---	<u>601,550</u>	<u>601,550</u>	---
Total	660,650	660,650	---	1,237,686	1,237,686	---

Distrib. Points

Eastern	10,628	5,164	5,164	12,346	5,663	6,683
Central	10,763	6,381	4,382	9,622	4,961	4,661
Western	1,697	306	1,391	1,857	1,038	819
Total ^{4/}	<u>23,088</u>	<u>12,151</u>	<u>10,937</u>	<u>23,825</u>	<u>11,662</u>	<u>12,163</u>

Industrial Plants ^{5/}	362,609	251,612	110,997	392,396	287,015	105,381
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TABLE 4b - SUMMARY OF ROSIN CARRYOVER (Stocks)

Production Points	295,285	129,113	166,172	130,921	87,330	43,591
Sou. Concent. Points	660,650	660,650	---	1,237,686	1,237,686	---
Distrib. Points	23,088	12,151	10,937	23,825	11,662	12,163
Industrial Plants	<u>362,609</u>	<u>251,612</u>	<u>110,997</u>	<u>392,396</u>	<u>287,015</u>	<u>105,381</u>
Total in U. S.	1,341,632	1,053,526	288,106	1,784,828	1,623,693	161,135

- ^{1/} Compiled from reports by producers and factors. Includes reclaimed rosin. The difference in stocks at stills is not due entirely to increased stocks, but rather to the inclusion of reports from producers who were in business but did not report last year.
- ^{2/} Does not include by-products resulting from making paler grades from FF wood rosin.
- ^{3/} Official Board of Trade and Chamber of Commerce Reports.
- ^{4/} Compiled from reports of individual distributors.
- ^{5/} Compiled from reports of individual consumers.

DETAILS OF PRODUCTION

(By naval stores seasons, beginning Apr. 1 and ending Mar. 31)

<u>1942-43</u>			<u>1941-42</u>		
<u>6 mos. (Apr. - Sept.)</u>			<u>6 mos. (Apr. - Sept.)</u>		
<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>

TABLE 5a - PRODUCTION OF TURPENTINE (Bbls. 50 gals.)

Gum	211,255	211,255	---	194,915	194,915	---
Wood, Steam Dist.	85,011	---	85,011	91,978	---	91,978
" Sulphate	39,779	---	39,779	15,546	---	15,546
" Dest. Dist.	<u>3,391</u>	<u>---</u>	<u>3,391</u>	<u>4,734</u>	<u>---</u>	<u>4,734</u>
Total	339,436	211,255	128,181	307,173	194,915	112,258

TABLE 5b - PRODUCTION OF ROSIN (Bbls. 500 lbs. gross)

Gum	689,804	689,804	---	649,713	649,713	---
Reclaimed (Gum)	7,932	7,932	---	12,704	12,704	---
Wood, Steam Dist.	545,415	---	545,415	561,385	---	561,385
" Sulphate	---	---	---	---	---	---
(Table 5c)	---	---	---	---	---	---
Wood, Dest. Dist.	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
Total	1,243,151	697,736	545,415	1,223,802	662,417	561,385

TABLE 5c - PRODUCTION OF "SULPHATE WOOD ROSIN (TALL OIL)"

<u>1942-43</u>	<u>1941-42</u>
<u>Apr. - Sept.</u>	<u>Apr. - Sept.</u>
36,098 tons black liquor soap reported produced; to be further processed.	10,293 tons liquid rosin were produced.

TABLE 6 - PRODUCTION OF GUM TURPENTINE BY STATES
6 mos. (Apr. - Sept.)

	<u>1942-43</u> 6 mos.		<u>1941-42</u> 6 mos.	
	<u>Barrels</u>	<u>Percentage</u>	<u>Barrels</u>	<u>Percentage</u>
South Carolina	3,132	1.48	2,057	1.05
Georgia	156,282	73.97	131,685	67.56
Florida	33,189	15.72	43,718	22.44
Alabama	15,235	7.22	12,755	6.54
Mississippi	2,628	1.24	3,425	1.76
Louisiana	<u>789</u>	<u>0.37</u>	<u>1,275</u>	<u>0.65</u>
Total	211,255	100.00	194,915	100.00

TABLE 7 - MISCELLANEOUS NAVAL STORES
6 mos. (Apr. - Sept.)

	<u>Production</u> (50 gal. bbls.)	<u>Stocks</u> (50 gal. bbls.)
Pine Oil	63,911	15,634
Pine Tar	62,398	3,199
Dipentene	12,572	30,015
Monocyclic Hydrocarbons	6,125	9,790

TABLE 8a - REPORTED CONSUMPTION OF TURPENTINE IN UNITED STATES (Bbls. - 50 gal.)
(By naval stores seasons beginning April 1 and ending the following March 31)

	1942-43 (Apr. - Sept.) 6 mos.			1941-42 (Apr. - Sept.) 6 mos.		
	<u>Total</u>	<u>Gum^{1/}</u>	<u>Wood^{1/}</u>	<u>Total</u>	<u>Gum^{1/}</u>	<u>Wood^{1/}</u>
Abattoirs	0			0		
Adhesives & plastics	313			305		
Asphaltic products	0			0		
Automobiles & wagons	103			244		
Chemicals & pharmaceuticals	33,570			31,907		
Ester gum & synthetic resins	0			0		
Foundries & f'dry supplies	466			546		
Furniture	170			269		
Insecticides & disinfectants	49			204		
Linoleum & floor covering	16			0		
Matches	0			0		
Oils & greases	14			145		
Paint, varnish & lacquer	16,970			29,090		
Paper & paper size	0			0		
Printing ink	109			110		
Railroads & shipyards	4,765			3,763		
Rubber	56			76		
Shoe polish & shoe materials	4,790			4,424		
Soap	0			0		
Other industries	141			216		
Total industrial reported	61,532	23,920	37,612	71,299	35,789	35,510
Not accounted for ^{2/}	- -	Not available	- -	236,009	158,259	77,750
Apparent U. S. consumption ^{3/}	- -	Not available	- -	307,308	194,048	113,260

^{1/} Separation of gum and wood turpentine consumption will be limited for the present to the total reported.

^{2/} Principally unreported distribution of turpentine through retailers who sell in small quantities to ultimate consumers.

^{3/} From Table 1a, page 1.

TABLE 8b - REPORTED CONSUMPTION OF ROSIN IN UNITED STATES (Bbls. - 500 lbs.)
(By naval stores seasons beginning April 1 and ending the following March 31)

	<u>1942-43</u> (Apr. - Sept.) 6 mos.			<u>1941-42</u> (Apr. - Sept.) 6 mos.		
	<u>Total</u>	<u>Gum^{1/}</u>	<u>Wood^{1/}</u>	<u>Total</u>	<u>Gum^{1/}</u>	<u>Wood^{1/}</u>
Abattoirs	188			519		
Adhesives & plastics	11,687			12,590		
Asphaltic products	2,646			1,008		
Automobiles & wagons	139			332		
Chemicals & pharmaceuticals	114,017			71,818		
Ester gum & synth. resins	73,536			116,054		
Foundries & f'dry supplies	15,230			11,719		
Furniture	109			4		
Insecticides & disinfectants	2,596			2,991		
Linoleum & floor covering	24,319			7,490		
Matches	790			531		
Oils & greases	17,245			35,665		
Paint, varnish & lacquer	73,631			128,605		
Paper & paper size	176,198			209,598		
Printing ink	7,994			9,024		
Railroads & shipyards	1,990			3,699		
Rubber	1,404			4,768		
Shoe polish & shoe materials	3,569			6,152		
Soap	125,250			126,240		
Other industries	7,016			3,569		
Total industrial reported	<u>659,554</u>	<u>352,061</u>	<u>307,493</u>	<u>752,376</u>	<u>464,753</u>	<u>287,623</u>
Not accounted for ^{2/}	- -	Not available	- -	301,804	89,367	212,437
Apparent U. S. consumption ^{3/}	- -	Not available	- -	1,054,180	554,120	500,060

^{1/} Separation of gum and wood rosin consumption will be limited for the present to the total reported.

^{2/} Principally unreported distribution of rosin through retailers who sell in small quantities to ultimate consumers.

^{3/} From Table 1b, page 2.

TABLE 9 - WEIGHTED AVERAGE MONTHLY AND SEASON PRICES OF GUM SPIRITS OF TURPENTINE - 1921-22 to 1942-43^{1/}
(Based upon Wednesdays and Saturdays closing Savannah Prices)^{2/}

Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Average
						Cents per Gallon							
1921-22	53.17	61.83	52.62	53.06	56.55	65.15	69.04	73.44	74.44	83.86	86.07	80.92	62.62
1922-23	79.50	86.07	106.54	113.07	110.61	123.31	145.94	151.25	130.71	145.87	143.29	147.53	119.82
1923-24	145.32	105.48	94.74	88.73	88.83	91.61	83.86	88.50	86.36	94.88	95.37	95.72	95.22
1924-25	91.82	83.49	77.63	77.66	82.99	82.28	81.43	79.24	77.64	86.40	87.95	86.00	81.30
1925-26	87.39	97.39	92.48	90.08	95.29	106.25	105.56	104.79	93.77	99.72	92.69	93.81	96.66
1926-27	89.86	79.67	80.14	82.07	89.31	86.00	84.75	82.69	80.85	76.07	68.00	67.38	82.62
1927-28	60.61	56.41	51.24	50.64	52.31	49.22	46.71	44.36	49.49	55.03	54.94	54.82	51.38
1928-29	52.06	47.87	50.87	49.83	47.58	46.40	48.18	54.22	55.50	56.47	53.16	52.42	50.54
1929-30	48.78	48.90	46.83	47.11	46.68	49.74	50.82	47.85	48.13	49.42	50.12	50.67	48.28
1930-31	48.42	43.51	41.33	37.56	35.32	38.26	35.60	37.03	36.14	38.11	39.97	47.81	39.34
1931-32	50.44	49.42	50.69	39.77	31.40	31.88	31.17	35.21	33.83	34.68	34.84	40.06	40.10
1932-33	39.50	39.44	38.64	35.94	37.68	41.09	40.86	39.71	37.04	39.88	39.75	39.46	38.82
1933-34	37.88	42.47	40.39	46.39	42.83	41.97	40.81	42.14	42.07	47.44	57.00	55.00	42.72
1934-35	53.66	50.81	46.44	42.82	41.83	41.19	46.59	48.00	46.46	49.59	50.53	49.71	45.64
1935-36	47.37	47.07	44.46	42.40	38.47	40.91	45.76	44.92	43.96	45.19	44.44	39.31	43.56
1936-37	37.43	36.26	35.86	36.44	38.73	37.19	36.33	38.25	41.59	43.13	41.84	39.01	37.48
1937-38	35.97	35.83	34.07	33.44	31.94	29.93	27.28	26.92	26.14	28.18	26.47	25.42	31.36
1938-39	23.18	22.69	22.56	23.24	22.53	20.92	22.81	22.32	22.31	24.78	25.56	28.42	22.61
1939-40	24.96	23.93	24.00	24.11	23.72	26.11	27.16	25.72	27.00	30.17	32.91	31.67	25.31
1940-41	28.78	27.65	26.25	26.69 ^{3/}	28.69	30.80	34.99	38.37	37.11	42.05	38.78	39.25	30.03
1941-42	42.11	43.00	42.17	48.28	67.83	74.84	78.08	75.61	73.44	75.89	75.19	73.08	63.85
1942-43	65.47	61.22	62.12	64.30	61.06	66.28							

1/ The monthly prices were obtained by averaging the Wednesday and Saturday closing prices. The season average price was obtained by multiplying each monthly price by the combined reported receipts during that month at Savannah, Jacksonville and Pensacola and dividing the total of these figures for the season by the total receipts for that season, thereby giving the months of heavy receipts and of low receipts their proper relative value.

2/ Wednesdays and Fridays closing Savannah prices were used for December, January and February, for 1936-37 and 1937-38. Fridays prices were used for 1938-39, 1939-40, 1940-41, 1941-42 and 1942-43 when there was no quoted Saturday market.

3/ To complete the table, beginning July 1, 1940, 6 cents per gallon has been added to the Savannah prices. Sources of data: Prices, Florida inspections and monthly receipts at Savannah, Jacksonville and Pensacola are taken from the NAVAL STORES REVIEW AND JOURNAL OF TRADE, DAILY MARKET REPORTS OF THE SAVANNAH EXCHANGE, JACKSONVILLE AND PENSACOLA CHAMBERS OF COMMERCE, Economic Analysis Unit, General Crops Section, Agricultural Adjustment Administration.

TABLE 10 - WEIGHTED¹/ AVERAGE MONTHLY AND SEASON PRICES OF GUM ROSIN (280-lb. bbls.) - 1921-22 to 1942-43²/
(Based upon ¹Wednesdays and Saturdays closing Savannah Prices)²/

Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Average
1921-22	4.00	4.42	3.87	3.78	4.00	4.39	4.34	4.42	4.47	4.21	4.22	4.10	4.20
1922-23	4.35	4.79	5.09	5.23	5.25	5.52	5.75	5.48	5.14	5.07	5.15	5.17	5.20
1923-24	4.96	4.88	4.82	4.78	4.66	4.62	4.57	4.44	4.80	4.88	4.69	4.74	4.67
1924-25	4.81	4.88	4.72	4.71	4.94	5.20	5.99	6.46	6.49	7.19	7.28	7.24	5.61
1925-26	7.52	9.01	8.78	9.15	10.22	13.02	14.33	14.22	13.05	12.09	13.34	12.66	11.11
1926-27	11.66	10.42	12.18	13.09	12.53	13.92	12.32	11.64	11.64	11.98	11.98	10.42	12.20
1927-28	9.77	9.11	8.46	8.32	8.96	8.47	7.64	6.87	7.64	8.61	8.38	8.58	8.35
1928-29	8.31	7.68	8.24	8.53	8.32	8.06	8.20	8.53	8.57	8.57	8.36	8.08	8.29
1929-30	7.50	7.39	7.31	7.49	7.44	7.87	8.16	7.62	7.34	7.48	7.45	7.22	7.54
1930-31	6.85	6.16	5.65	4.78	4.42	4.77	4.37	4.45	4.46	4.30	4.52	4.95	5.02
1931-32	4.96	5.01	5.26	3.95	3.12	3.04	2.95	3.27	3.10	3.10	3.18	3.67	3.89
1932-33	2.98	2.91	2.74	2.54	2.32	3.23	3.07	2.94	2.92	2.98	2.90	2.90	2.83
1933-34	2.95	3.54	3.53	4.09	3.83	3.91	3.86	3.92	3.90	4.24	5.04	5.06	3.88
1934-35	5.09	4.87	4.55	4.30	4.37	4.43	4.52	4.45	4.48	4.73	4.86	4.79	4.55
1935-36	4.67	4.72	4.58	4.44	4.12	4.38	4.81	4.71	4.55	4.60	4.57	4.60	4.54
1936-37	4.38	4.32	4.70	5.42	6.68	6.00	6.23	7.26	9.28	10.20	9.76	8.97	6.42
1937-38	8.07	8.30	8.15	8.00	7.98	8.03	7.35	6.21	5.55	5.92	5.38	4.73	7.35
1938-39	4.87	4.67	4.81	5.15	4.98	4.72	5.28	5.64	5.09	5.12	5.29	5.79	5.02
1939-40	5.22	5.19	5.34	5.49	5.34	5.66	5.73	5.54	5.39	5.54	5.51	5.59	5.44
1940-41	5.20	5.06	4.69	4.00	4.46	4.21	4.44	4.72	4.51	4.76	4.69	4.83	4.35
1941-42	4.69	4.58	4.62	5.24	5.87	6.03	5.93	6.37	7.10	7.89	8.10	7.82	6.19
1942-43	7.05	6.65	6.73	7.12	6.75	7.65							

Note: Rosin Grades included in average prices follow:--X, WVI, WG, N, M, K, I, H, G, F, E, D, B.

1/ Due to lack of information to complete this table, only simple averages are given for 1941-42 and 1942-43.

2/ The monthly prices were obtained by multiplying the average of the Wednesday and Saturday prices of each grade by the number of barrels of each grade reported as inspected in Florida during that month, and dividing the total of the resulting figures by the total number of barrels inspected in Florida during that month, thereby giving the proper relative value to each grade. The season average price was obtained by multiplying each monthly price by the combined receipts during that month at Savannah, Jacksonville and Pensacola and dividing the total of these figures for the season by the total receipts for the season, thereby giving the months of heavy receipts and of low receipts their proper relative value.

3/ Wednesdays and Fridays closing Savannah prices were used for December, January and February for 1936-37 and

2/ Wednesdays and Fridays closing savaman prices were used for 191 december, January and February 1937-38. Fridays prices were used for 1938-39, 1939-40, 1940-41, 1941-42 and 1942-43 when there was no

1937-38. Fridays price.
quoted Saturday market.

Sources of data: Prices, Florida inspections and monthly receipts at Savannah, Jacksonville and Pensacola are taken from the NAVAL STORES REVIEW AND JOURNAL OF TRADE, DAILY MARKET REPORTS OF THE SAVANNAH EXCHANGE, JACKSONVILLE AND PENSACOLA CHAMBERS OF COMMERCE. Economic Analysis Unit, General Crops Section, Agricultural Adjustment Administration.

ADDENDA

Additional information pertaining to naval stores may be obtained as follows:

For biennial census of the production of turpentine and rosin, address: Bureau of the Census, Department of Commerce, Washington, D. C.

For information on the southern forest survey showing turpentine timber resources, address: Southern Forest Experiment Station, New Orleans, La.

For information regarding the production, distribution, consumption and stocks of turpentine and rosin, address: Bureau of Agricultural Chemistry and Engineering, Department of Agriculture, Washington, D. C.